

NDEP Draft Guidelines for Discovery Events (Soil RCs)

Appendix A2--Full list of Reportable Concentrations in soil

Version: 01/28/2009

Analyte	CAS No.	Reportable Concentration (mg/kg)	Source
Acephate	30560-19-1	5.6E+01	EPA Regional Screening Level, Residential Soil
Acetaldehyde	75-07-0	1.1E+01	EPA Regional Screening Level, Residential Soil
Acetochlor	34256-82-1	1.2E+03	EPA Regional Screening Level, Residential Soil
Acetone	67-64-1	1.6E+01	Soil Screening Level, DAF 20
Acetone Cyanohydrin	75-86-5	2.0E+02	EPA Regional Screening Level, Residential Soil
Acetonitrile	75-05-8	8.7E+02	EPA Regional Screening Level, Residential Soil
Acetophenone	98-86-2	7.8E+03	EPA Regional Screening Level, Residential Soil
Acrolein	107-02-8	1.6E-01	EPA Regional Screening Level, Residential Soil
Acrylamide	79-06-1	1.1E-01	EPA Regional Screening Level, Residential Soil
Acrylic Acid	79-10-7	3.0E+04	EPA Regional Screening Level, Residential Soil
Acrylonitrile	107-13-1	2.4E-01	EPA Regional Screening Level, Residential Soil
Adiponitrile	111-69-3	8.5E+06	EPA Regional Screening Level, Residential Soil
Alachlor	15972-60-8	8.7E+00	EPA Regional Screening Level, Residential Soil
ALAR	1596-84-5	9.2E+03	EPA Regional Screening Level, Residential Soil
Aldicarb	116-06-3	6.1E+01	EPA Regional Screening Level, Residential Soil
Aldicarb Sulfone	1646-88-4	6.1E+01	EPA Regional Screening Level, Residential Soil
Aldrin	309-00-2	2.9E-02	EPA Regional Screening Level, Residential Soil
Allyl	74223-64-6	1.5E+04	EPA Regional Screening Level, Residential Soil
Allyl Alcohol	107-18-6	3.1E+02	EPA Regional Screening Level, Residential Soil
Allyl Chloride	107-05-1	1.8E+00	EPA Regional Screening Level, Residential Soil
Aluminum	7429-90-5	7.7E+04	EPA Regional Screening Level, Residential Soil
Aluminum Phosphide	20859-73-8	3.1E+01	EPA Regional Screening Level, Residential Soil
Amdro	67485-29-4	1.8E+01	EPA Regional Screening Level, Residential Soil
Ametryn	834-12-8	5.5E+02	EPA Regional Screening Level, Residential Soil
Aminophenol, m-	591-27-5	4.9E+03	EPA Regional Screening Level, Residential Soil
Aminophenol, p-	123-30-8	1.2E+03	EPA Regional Screening Level, Residential Soil
Amitraz	33089-61-1	1.5E+02	EPA Regional Screening Level, Residential Soil
Ammonia	7664-41-7	1.4E+08	EPA Regional Screening Level, Residential Soil
Ammonium Perchlorate	7790-98-9	5.5E+01	EPA Regional Screening Level, Residential Soil
Ammonium Sulfamate	7773-06-0	1.6E+04	EPA Regional Screening Level, Residential Soil
Aniline	62-53-3	8.5E+01	EPA Regional Screening Level, Residential Soil
Antimony (metallic)	7440-36-0	5.0E+00	Soil Screening Level, DAF 20
Antimony Pentoxide	1314-60-9	3.9E+01	EPA Regional Screening Level, Residential Soil
Antimony Potassium Tartrate	11071-15-1	7.0E+01	EPA Regional Screening Level, Residential Soil
Antimony Tetroxide	1332-81-6	3.1E+01	EPA Regional Screening Level, Residential Soil
Antimony Trioxide	1309-64-4	3.1E+01	EPA Regional Screening Level, Residential Soil
Apollo	74115-24-5	7.9E+02	EPA Regional Screening Level, Residential Soil
Aramite	140-57-8	1.9E+01	EPA Regional Screening Level, Residential Soil
Arsenic, Inorganic	7440-38-2	3.9E-01	EPA Regional Screening Level, Residential Soil
Arsine	7784-42-1	7.1E+04	EPA Regional Screening Level, Residential Soil
Assure	76578-14-8	5.5E+02	EPA Regional Screening Level, Residential Soil
Asulam	3337-71-1	3.1E+03	EPA Regional Screening Level, Residential Soil
Atrazine	1912-24-9	2.1E+00	EPA Regional Screening Level, Residential Soil
Avermectin B1	65195-55-3	2.4E+01	EPA Regional Screening Level, Residential Soil
Azobenzene	103-33-3	4.9E+00	EPA Regional Screening Level, Residential Soil
Barium	7440-39-3	1.6E+03	Soil Screening Level, DAF 20
Baygon	114-26-1	2.4E+02	EPA Regional Screening Level, Residential Soil
Bayleton	43121-43-3	1.8E+03	EPA Regional Screening Level, Residential Soil
Baythroid	68359-37-5	1.5E+03	EPA Regional Screening Level, Residential Soil
Benefin	1861-40-1	1.8E+04	EPA Regional Screening Level, Residential Soil
Benomyl	17804-35-2	3.1E+03	EPA Regional Screening Level, Residential Soil
Bentazon	25057-89-0	1.8E+03	EPA Regional Screening Level, Residential Soil
Benzaldehyde	100-52-7	7.8E+03	EPA Regional Screening Level, Residential Soil
Benzene	71-43-2	3.0E-02	Soil Screening Level, DAF 20
Benzenethiol	108-98-5	7.8E-01	EPA Regional Screening Level, Residential Soil
Benzidine	92-87-5	5.0E-04	EPA Regional Screening Level, Residential Soil
Benzoic Acid	65-85-0	4.0E+02	Soil Screening Level, DAF 20
Benzotrithloride	98-07-7	4.9E-02	EPA Regional Screening Level, Residential Soil
Benzyl Alcohol	100-51-6	3.1E+04	EPA Regional Screening Level, Residential Soil
Benzyl Chloride	100-44-7	3.8E+00	EPA Regional Screening Level, Residential Soil

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Beryllium and compounds	7440-41-7	6.3E+01	Soil Screening Level, DAF 20
Bidrin	141-66-2	6.1E+00	EPA Regional Screening Level, Residential Soil
Bifenox	42576-02-3	5.5E+02	EPA Regional Screening Level, Residential Soil
Biphenrin	82657-04-3	9.2E+02	EPA Regional Screening Level, Residential Soil
Biphenyl, 1,1'-	92-52-4	3.9E+03	EPA Regional Screening Level, Residential Soil
Bis(2-chloroethoxy)methane	111-91-1	1.8E+02	EPA Regional Screening Level, Residential Soil
Bis(2-chloroethyl)ether	111-44-4	4.0E-04	Soil Screening Level, DAF 20
Bis(2-chloro-1-methylethyl) ether	108-60-1	3.5E+00	EPA Regional Screening Level, Residential Soil
Bis(2-ethylhexyl)phthalate	117-81-7	3.5E+01	EPA Regional Screening Level, Residential Soil
Bis(chloromethyl)ether	542-88-1	2.7E-04	EPA Regional Screening Level, Residential Soil
Bisphenol A	80-05-7	3.1E+03	EPA Regional Screening Level, Residential Soil
Boron And Borates Only	7440-42-8	1.6E+04	EPA Regional Screening Level, Residential Soil
Boron Trifluoride	7637-07-2	9.9E+05	EPA Regional Screening Level, Residential Soil
Bromate	15541-45-4	9.1E-01	EPA Regional Screening Level, Residential Soil
Bromobenzene	108-86-1	9.4E+01	EPA Regional Screening Level, Residential Soil
Bromodichloromethane	75-27-4	6.0E-01	Soil Screening Level, DAF 20
Bromoform	75-25-2	8.0E-01	Soil Screening Level, DAF 20
Bromomethane	74-83-9	2.0E-01	Soil Screening Level, DAF 20
Bromophos	2104-96-3	3.1E+02	EPA Regional Screening Level, Residential Soil
Bromoxynil	1689-84-5	1.2E+03	EPA Regional Screening Level, Residential Soil
Bromoxynil Octanoate	1689-99-2	1.2E+03	EPA Regional Screening Level, Residential Soil
Butadiene, 1,3-	106-99-0	7.7E-02	EPA Regional Screening Level, Residential Soil
Butanol, N-	71-36-3	1.7E+01	Soil Screening Level, DAF 20
Butyl Benzyl Phthlate	85-68-7	2.6E+02	EPA Regional Screening Level, Residential Soil
Butylate	2008-41-5	3.1E+03	EPA Regional Screening Level, Residential Soil
Butylphthalyl Butylglycolate	85-70-1	6.1E+04	EPA Regional Screening Level, Residential Soil
Cacodylic Acid	75-60-5	1.2E+03	EPA Regional Screening Level, Residential Soil
Cadmium (Diet)	7440-43-9	8.0E+00	Soil Screening Level, DAF 20
Caprolactam	105-60-2	3.1E+04	EPA Regional Screening Level, Residential Soil
Captafol	2425-06-1	3.2E+00	EPA Regional Screening Level, Residential Soil
Captan	133-06-2	2.1E+02	EPA Regional Screening Level, Residential Soil
Carbaryl	63-25-2	6.1E+03	EPA Regional Screening Level, Residential Soil
Carbofuran	1563-66-2	3.1E+02	EPA Regional Screening Level, Residential Soil
Carbon Disulfide	75-15-0	3.2E+01	Soil Screening Level, DAF 20
Carbon Tetrachloride	56-23-5	7.0E-02	Soil Screening Level, DAF 20
Carbosulfan	55285-14-8	6.1E+02	EPA Regional Screening Level, Residential Soil
Carboxin	5234-68-4	6.1E+03	EPA Regional Screening Level, Residential Soil
Chloral Hydrate	302-17-0	6.1E+03	EPA Regional Screening Level, Residential Soil
Chloramben	133-90-4	9.2E+02	EPA Regional Screening Level, Residential Soil
Chloranil	118-75-2	1.2E+00	EPA Regional Screening Level, Residential Soil
Chlordane	12789-03-6	1.6E+00	EPA Regional Screening Level, Residential Soil
Chlordecone (Kepone)	143-50-0	3.0E-02	EPA Regional Screening Level, Residential Soil
Chlorimuron, Ethyl-	90982-32-4	1.2E+03	EPA Regional Screening Level, Residential Soil
Chlorine	7782-50-5	7.5E+03	EPA Regional Screening Level, Residential Soil
Chlorine Dioxide	10049-04-4	2.3E+03	EPA Regional Screening Level, Residential Soil
Chlorite (Sodium Salt)	7758-19-2	2.3E+03	EPA Regional Screening Level, Residential Soil
Chloro-1,1-difluoroethane, 1-	75-68-3	5.9E+04	EPA Regional Screening Level, Residential Soil
Chloro-1,3-butadiene, 2-	126-99-8	8.6E+00	EPA Regional Screening Level, Residential Soil
Chloro-2-methylaniline HCl, 4-	3165-93-3	1.1E+00	EPA Regional Screening Level, Residential Soil
Chloro-2-methylaniline, 4-	95-69-2	1.8E+00	EPA Regional Screening Level, Residential Soil
Chloroacetic Acid	79-11-8	1.2E+02	EPA Regional Screening Level, Residential Soil
Chloroacetophenone, 2-	532-27-4	4.3E+04	EPA Regional Screening Level, Residential Soil
Chloroaniline, p-	106-47-8	7.0E-01	Soil Screening Level, DAF 20
Chlorobenzene	108-90-7	1.0E+00	Soil Screening Level, DAF 20
Chlorobenzilate	510-15-6	4.4E+00	EPA Regional Screening Level, Residential Soil
Chlorobenzotrifluoride, 4-	98-56-6	2.1E+02	EPA Regional Screening Level, Residential Soil
Chlorobutane, 1-	109-69-3	3.1E+03	EPA Regional Screening Level, Residential Soil
Chlorodifluoromethane	75-45-6	5.3E+04	EPA Regional Screening Level, Residential Soil
Chloroform	67-66-3	3.0E-01	EPA Regional Screening Level, Residential Soil
Chloromethane	74-87-3	1.7E+00	EPA Regional Screening Level, Residential Soil

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Chloronaphthalene, Beta-	91-58-7	6.3E+03	EPA Regional Screening Level, Residential Soil
Chloronitrobenzene, o-	88-73-3	5.0E+01	EPA Regional Screening Level, Residential Soil
Chloronitrobenzene, p-	100-00-5	6.1E+01	EPA Regional Screening Level, Residential Soil
Chlorophenol, 2-	95-57-8	4.0E+00	Soil Screening Level, DAF 20
Chlorothalonil	1897-45-6	1.6E+02	EPA Regional Screening Level, Residential Soil
Chlorotoluene, o-	95-49-8	1.6E+03	EPA Regional Screening Level, Residential Soil
Chlorotoluene, p-	106-43-4	5.5E+03	EPA Regional Screening Level, Residential Soil
Chlorpropham	101-21-3	1.2E+04	EPA Regional Screening Level, Residential Soil
Chlorpyrifos	2921-88-2	1.8E+02	EPA Regional Screening Level, Residential Soil
Chlorpyrifos Methyl	5598-13-0	6.1E+02	EPA Regional Screening Level, Residential Soil
Chlorsulfuron	64902-72-3	3.1E+03	EPA Regional Screening Level, Residential Soil
Chlorthiophos	60238-56-4	4.9E+01	EPA Regional Screening Level, Residential Soil
Chromium (III) (Insoluble Salts)	16065-83-1	1.2E+05	EPA Regional Screening Level, Residential Soil
Chromium VI (particulates)	18540-29-9	3.8E+01	Soil Screening Level, DAF 20
Chromium, Total (1:6 ratio Cr VI : Cr III)	7440-47-3	3.8E+01	Soil Screening Level, DAF 20
Cobalt	7440-48-4	2.3E+01	EPA Regional Screening Level, Residential Soil
Coke Oven Emissions	8007-45-2		EPA Regional Screening Level, Residential Soil
Copper	7440-50-8	3.1E+03	EPA Regional Screening Level, Residential Soil
Cresol, m-	108-39-4	3.1E+03	EPA Regional Screening Level, Residential Soil
Cresol, o-	95-48-7	3.1E+03	EPA Regional Screening Level, Residential Soil
Cresol, p-	106-44-5	3.1E+02	EPA Regional Screening Level, Residential Soil
Crotonaldehyde, trans-	123-73-9	3.4E-01	EPA Regional Screening Level, Residential Soil
Cumene	98-82-8	2.2E+03	EPA Regional Screening Level, Residential Soil
Cyanazine	21725-46-2	5.8E-01	EPA Regional Screening Level, Residential Soil
Cyclohexane	110-82-7	7.2E+03	EPA Regional Screening Level, Residential Soil
Cyclohexane, 1,2,3,4,5-pentabromo-6-chloro-	87-84-3	2.1E+01	EPA Regional Screening Level, Residential Soil
Cyclohexanone	108-94-1	3.1E+05	EPA Regional Screening Level, Residential Soil
Cyclohexylamine	108-91-8	1.2E+04	EPA Regional Screening Level, Residential Soil
Cyhalothrin/karate	68085-85-8	3.1E+02	EPA Regional Screening Level, Residential Soil
Cypermethrin	52315-07-8	6.1E+02	EPA Regional Screening Level, Residential Soil
Cyromazine	66215-27-8	4.6E+02	EPA Regional Screening Level, Residential Soil
Cyanides			
Calcium Cyanide	592-01-8	3.1E+03	EPA Regional Screening Level, Residential Soil
Copper Cyanide	544-92-3	3.9E+02	EPA Regional Screening Level, Residential Soil
Cyanide (CN-)	57-12-5	1.6E+03	EPA Regional Screening Level, Residential Soil
Cyanogen	460-19-5	3.1E+03	EPA Regional Screening Level, Residential Soil
Cyanogen Bromide	506-68-3	7.0E+03	EPA Regional Screening Level, Residential Soil
Cyanogen Chloride	506-77-4	3.9E+03	EPA Regional Screening Level, Residential Soil
Hydrogen Cyanide	74-90-8	1.6E+03	EPA Regional Screening Level, Residential Soil
Potassium Cyanide	151-50-8	3.9E+03	EPA Regional Screening Level, Residential Soil
Potassium Silver Cyanide	506-61-6	1.6E+04	EPA Regional Screening Level, Residential Soil
Silver Cyanide	506-64-9	7.8E+03	EPA Regional Screening Level, Residential Soil
Sodium Cyanide	143-33-9	3.1E+03	EPA Regional Screening Level, Residential Soil
Thiocyanate	463-56-9	1.6E+01	EPA Regional Screening Level, Residential Soil
Zinc Cyanide	557-21-1	3.9E+03	EPA Regional Screening Level, Residential Soil
Dacthal	1861-32-1	6.1E+02	EPA Regional Screening Level, Residential Soil
Dalapon	75-99-0	1.8E+03	EPA Regional Screening Level, Residential Soil
DDD	72-54-8	2.0E+00	EPA Regional Screening Level, Residential Soil
DDE, p,p'-	72-55-9	1.4E+00	EPA Regional Screening Level, Residential Soil
DDT	50-29-3	1.7E+00	EPA Regional Screening Level, Residential Soil
Decabromodiphenyl ether, 2,2',3,3',4,4',5,5',6,6'- (BDE-209)	1163-19-5	4.3E+02	EPA Regional Screening Level, Residential Soil
Demeton	8065-48-3	2.4E+00	EPA Regional Screening Level, Residential Soil
Di(2-ethylhexyl)adipate	103-23-1	4.0E+02	EPA Regional Screening Level, Residential Soil
Diallate	2303-16-4	8.0E+00	EPA Regional Screening Level, Residential Soil
Diazinon	333-41-5	5.5E+01	EPA Regional Screening Level, Residential Soil
Dibromo-3-chloropropane, 1,2-	96-12-8	5.6E-03	EPA Regional Screening Level, Residential Soil
Dibromobenzene, 1,4-	106-37-6	6.1E+02	EPA Regional Screening Level, Residential Soil
Dibromochloromethane	124-48-1	4.0E-01	Soil Screening Level, DAF 20
Dibromoethane, 1,2- (EDB)	106-93-4	3.4E-02	EPA Regional Screening Level, Residential Soil
Dibromomethane (Methylene Bromide)	74-95-3	7.8E+02	EPA Regional Screening Level, Residential Soil

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Analyte	CAS No.	Reportable Concentration (mg/kg)	Source
Dibutyl Phthalate	84-74-2	2.3E+03	Soil Screening Level, DAF 20
Dibutyltin Compounds	NA	1.8E+01	EPA Regional Screening Level, Residential Soil
Dicamba	1918-00-9	1.8E+03	EPA Regional Screening Level, Residential Soil
Dichloro-2-butene, 1,4-	764-41-0	3.2E-03	EPA Regional Screening Level, Residential Soil
Dichloroacetic Acid	79-43-6	9.7E+00	EPA Regional Screening Level, Residential Soil
Dichlorobenzene, 1,2-	95-50-1	1.7E+01	Soil Screening Level, DAF 20
Dichlorobenzene, 1,4-	106-46-7	2.0E+00	Soil Screening Level, DAF 20
Dichlorobenzidine, 3,3'-	91-94-1	7.0E-03	Soil Screening Level, DAF 20
Dichlorodifluoromethane	75-71-8	1.9E+02	EPA Regional Screening Level, Residential Soil
Dichloroethane, 1,1-	75-34-3	3.4E+00	EPA Regional Screening Level, Residential Soil
Dichloroethane, 1,2- (EDC)	107-06-2	2.0E-02	Soil Screening Level, DAF 20
Dichloroethylene, 1,1-	75-35-4	6.0E-02	Soil Screening Level, DAF 20
Dichloroethylene, 1,2- (Mixed Isomers)	540-59-0	7.0E+02	EPA Regional Screening Level, Residential Soil
Dichloroethylene, 1,2-cis-	156-59-2	4.0E-01	Soil Screening Level, DAF 20
Dichloroethylene, 1,2-trans-	156-60-5	7.0E-01	Soil Screening Level, DAF 20
Dichlorophenol, 2,4-	120-83-2	1.0E+00	Soil Screening Level, DAF 20
Dichlorophenoxy Acetic Acid, 2,4-	94-75-7	6.9E+02	EPA Regional Screening Level, Residential Soil
Dichlorophenoxybutyric Acid, 4-(2,4-	94-82-6	4.9E+02	EPA Regional Screening Level, Residential Soil
Dichloropropane, 1,2-	78-87-5	3.0E-02	Soil Screening Level, DAF 20
Dichloropropane, 1,3-	142-28-9	1.6E+03	EPA Regional Screening Level, Residential Soil
Dichloropropanol, 2,3-	616-23-9	1.8E+02	EPA Regional Screening Level, Residential Soil
Dichloropropene, 1,3-	542-75-6	4.0E-03	Soil Screening Level, DAF 20
Dichlorvos	62-73-7	1.7E+00	EPA Regional Screening Level, Residential Soil
Dicyclopentadiene	77-73-6	2.9E+01	EPA Regional Screening Level, Residential Soil
Dieldrin	60-57-1	4.0E-03	Soil Screening Level, DAF 20
Diethyl Phthalate	84-66-2	4.9E+04	EPA Regional Screening Level, Residential Soil
Diethylene Glycol Monobutyl Ether	112-34-5	6.1E+02	EPA Regional Screening Level, Residential Soil
Diethylene Glycol Monoethyl Ether	111-90-0	3.7E+03	EPA Regional Screening Level, Residential Soil
Diethylformamide	617-84-5	6.1E+01	EPA Regional Screening Level, Residential Soil
Diethylstilbestrol	56-53-1	1.4E-03	EPA Regional Screening Level, Residential Soil
Difenzoquat	43222-48-6	4.9E+03	EPA Regional Screening Level, Residential Soil
Diflubenzuron	35367-38-5	1.2E+03	EPA Regional Screening Level, Residential Soil
Difluoroethane, 1,1-	75-37-6	5.3E+04	EPA Regional Screening Level, Residential Soil
Diisopropyl Ether (DIPE)	108-20-3	1.2E+03	EPA Regional Screening Level, Residential Soil
Diisopropyl Methylphosphonate	1445-75-6	6.3E+03	EPA Regional Screening Level, Residential Soil
Dimethipin	55290-64-7	1.2E+03	EPA Regional Screening Level, Residential Soil
Dimethoate	60-51-5	1.2E+01	EPA Regional Screening Level, Residential Soil
Dimethoxybenzidine, 3,3'-	119-90-4	3.5E+01	EPA Regional Screening Level, Residential Soil
Dimethyl methylphosphonate	756-79-6	2.9E+02	EPA Regional Screening Level, Residential Soil
Dimethylaniline HCl, 2,4-	21436-96-4	8.4E-01	EPA Regional Screening Level, Residential Soil
Dimethylaniline, 2,4-	95-68-1	6.5E-01	EPA Regional Screening Level, Residential Soil
Dimethylaniline, N,N-	121-69-7	1.6E+02	EPA Regional Screening Level, Residential Soil
Dimethylbenzidine, 3,3'-	119-93-7	4.4E-02	EPA Regional Screening Level, Residential Soil
Dimethylformamide	68-12-2	6.1E+03	EPA Regional Screening Level, Residential Soil
Dimethylphenol, 2,4-	105-67-9	9.0E+00	Soil Screening Level, DAF 20
Dimethylphenol, 2,6-	576-26-1	3.7E+01	EPA Regional Screening Level, Residential Soil
Dimethylphenol, 3,4-	95-65-8	6.1E+01	EPA Regional Screening Level, Residential Soil
Dimethylterephthalate	120-61-6	7.8E+03	EPA Regional Screening Level, Residential Soil
Dinitro-o-cresol, 4,6-	534-52-1	6.1E+00	EPA Regional Screening Level, Residential Soil
Dinitro-o-cyclohexyl Phenol, 4,6-	131-89-5	1.2E+02	EPA Regional Screening Level, Residential Soil
Dinitrobenzene, 1,2-	528-29-0	6.1E+00	EPA Regional Screening Level, Residential Soil
Dinitrobenzene, 1,3-	99-65-0	6.1E+00	EPA Regional Screening Level, Residential Soil
Dinitrobenzene, 1,4-	100-25-4	6.1E+00	EPA Regional Screening Level, Residential Soil
Dinitrophenol, 2,4-	51-28-5	3.0E-01	Soil Screening Level, DAF 20
Dinitrotoluene Mixture, 2,4/2,6-	25321-14-6	8.0E-04	Soil Screening Level, DAF 20
Dinitrotoluene, 2,4-	121-14-2	8.0E-04	Soil Screening Level, DAF 20
Dinitrotoluene, 2,6-	606-20-2	7.0E-04	Soil Screening Level, DAF 20
Dinitrotoluene, 2-Amino-4,6-	35572-78-2	1.5E+02	EPA Regional Screening Level, Residential Soil
Dinitrotoluene, 4-Amino-2,6-	19406-51-0	1.5E+02	EPA Regional Screening Level, Residential Soil
Dinoseb	88-85-7	6.1E+01	EPA Regional Screening Level, Residential Soil

NDEP Draft Guidelines for Discovery Events (Soil RCs)

Appendix A2--Full list of Reportable Concentrations in soil

Version: 01/28/2009

Analyte	CAS No.	Reportable Concentration (mg/kg)	Source
Dioxane, 1,4-	123-91-1	4.4E+01	EPA Regional Screening Level, Residential Soil
Diphenamid	957-51-7	1.8E+03	EPA Regional Screening Level, Residential Soil
Diphenyl Sulfone	127-63-9	1.8E+02	EPA Regional Screening Level, Residential Soil
Diphenylamine	122-39-4	1.5E+03	EPA Regional Screening Level, Residential Soil
Diphenylhydrazine, 1,2-	122-66-7	6.1E-01	EPA Regional Screening Level, Residential Soil
Diquat	85-00-7	1.3E+02	EPA Regional Screening Level, Residential Soil
Direct Black 38	1937-37-7	6.6E-02	EPA Regional Screening Level, Residential Soil
Direct Blue 6	2602-46-2	6.6E-02	EPA Regional Screening Level, Residential Soil
Direct Brown 95	16071-86-6	7.2E-02	EPA Regional Screening Level, Residential Soil
Disulfoton	298-04-4	2.4E+00	EPA Regional Screening Level, Residential Soil
Dithiane, 1,4-	505-29-3	6.1E+02	EPA Regional Screening Level, Residential Soil
Diuron	330-54-1	1.2E+02	EPA Regional Screening Level, Residential Soil
Dodine	2439-10-3	2.4E+02	EPA Regional Screening Level, Residential Soil
Dioxins			
Hexachlorodibenzo-p-dioxin	34465-46-8	4.5E-05	EPA Regional Screening Level, Residential Soil
Hexachlorodibenzo-p-dioxin, Mixture	19408-74-3	9.4E-05	EPA Regional Screening Level, Residential Soil
HpCDD, 2,3,7,8-	37871-00-4	4.5E-04	EPA Regional Screening Level, Residential Soil
OCDD	3268-87-9	1.5E-02	EPA Regional Screening Level, Residential Soil
PeCDD, 2,3,7,8-	36088-22-9	4.5E-06	EPA Regional Screening Level, Residential Soil
TCDD, 2,3,7,8-	1746-01-6	4.5E-06	EPA Regional Screening Level, Residential Soil
Endosulfan	115-29-7	1.8E+01	Soil Screening Level, DAF 20
Endothall	145-73-3	1.2E+03	EPA Regional Screening Level, Residential Soil
Endrin	72-20-8	1.0E+00	Soil Screening Level, DAF 20
Epichlorohydrin	106-89-8	1.8E+01	EPA Regional Screening Level, Residential Soil
Epoxbutane, 1,2-	106-88-7	1.5E+02	EPA Regional Screening Level, Residential Soil
EPTC	759-94-4	2.0E+03	EPA Regional Screening Level, Residential Soil
Ethephon	16672-87-0	3.1E+02	EPA Regional Screening Level, Residential Soil
Ethion	563-12-2	3.1E+01	EPA Regional Screening Level, Residential Soil
Ethoxyethanol Acetate, 2-	111-15-9	1.8E+04	EPA Regional Screening Level, Residential Soil
Ethoxyethanol, 2-	110-80-5	2.4E+04	EPA Regional Screening Level, Residential Soil
Ethyl Acetate	141-78-6	7.0E+04	EPA Regional Screening Level, Residential Soil
Ethyl Acrylate	140-88-5	1.3E+01	EPA Regional Screening Level, Residential Soil
Ethyl Chloride	75-00-3	1.5E+04	EPA Regional Screening Level, Residential Soil
Ethyl Ether	60-29-7	1.6E+04	EPA Regional Screening Level, Residential Soil
Ethyl Methacrylate	97-63-2	7.0E+03	EPA Regional Screening Level, Residential Soil
Ethyl-p-nitrophenyl Phosphonate	2104-64-5	6.1E-01	EPA Regional Screening Level, Residential Soil
Ethylbenzene	100-41-4	5.7E+00	EPA Regional Screening Level, Residential Soil
Ethylene Cyanohydrin	109-78-4	1.8E+03	EPA Regional Screening Level, Residential Soil
Ethylene Diamine	107-15-3	5.5E+03	EPA Regional Screening Level, Residential Soil
Ethylene Glycol	107-21-1	1.2E+05	EPA Regional Screening Level, Residential Soil
Ethylene Glycol Monobutyl Ether	111-76-2	3.1E+04	EPA Regional Screening Level, Residential Soil
Ethylene Oxide	75-21-8	1.6E-01	EPA Regional Screening Level, Residential Soil
Ethylene Thiourea	96-45-7	4.9E+00	EPA Regional Screening Level, Residential Soil
Ethylphthalyl Ethyl Glycolate	84-72-0	1.8E+05	EPA Regional Screening Level, Residential Soil
Express	101200-48-0	4.9E+02	EPA Regional Screening Level, Residential Soil
Fenamiphos	22224-92-6	1.5E+01	EPA Regional Screening Level, Residential Soil
Fenpropathrin	39515-41-8	1.5E+03	EPA Regional Screening Level, Residential Soil
Fluometuron	2164-17-2	7.9E+02	EPA Regional Screening Level, Residential Soil
Fluorine (Soluble Fluoride)	7782-41-4	4.7E+03	EPA Regional Screening Level, Residential Soil
Fluridone	59756-60-4	4.9E+03	EPA Regional Screening Level, Residential Soil
Flurprimidol	56425-91-3	1.2E+03	EPA Regional Screening Level, Residential Soil
Flutolanil	66332-96-5	3.7E+03	EPA Regional Screening Level, Residential Soil
Fluvalinate	69409-94-5	6.1E+02	EPA Regional Screening Level, Residential Soil
Folpet	133-07-3	1.4E+02	EPA Regional Screening Level, Residential Soil
Fomesafen	72178-02-0	2.6E+00	EPA Regional Screening Level, Residential Soil
Fonofos	944-22-9	1.2E+02	EPA Regional Screening Level, Residential Soil
Formaldehyde	50-00-0	1.2E+04	EPA Regional Screening Level, Residential Soil
Formic Acid	64-18-6	1.2E+05	EPA Regional Screening Level, Residential Soil
Fosetyl-AL	39148-24-8	1.8E+05	EPA Regional Screening Level, Residential Soil
Furazolidone	67-45-8	1.3E-01	EPA Regional Screening Level, Residential Soil

NDEP Draft Guidelines for Discovery Events (Soil RCs)

Appendix A2--Full list of Reportable Concentrations in soil

Version: 01/28/2009

Analyte	CAS No.	Reportable Concentration (mg/kg)	Source
Furfural	98-01-1	1.8E+02	EPA Regional Screening Level, Residential Soil
Furium	531-82-8	3.2E-01	EPA Regional Screening Level, Residential Soil
Furmecyclohex	60568-05-0	1.6E+01	EPA Regional Screening Level, Residential Soil
Furans			
Furan	110-00-9	7.8E+01	EPA Regional Screening Level, Residential Soil
HpCDF, 2,3,7,8-	38998-75-3	3.7E-04	EPA Regional Screening Level, Residential Soil
HxCDF, 2,3,7,8-	55684-94-1	3.7E-05	EPA Regional Screening Level, Residential Soil
OCDF	39001-02-0	1.2E-02	EPA Regional Screening Level, Residential Soil
PeCDF, 1,2,3,7,8-	57117-41-6	1.2E-04	EPA Regional Screening Level, Residential Soil
PeCDF, 2,3,4,7,8-	57117-31-4	1.2E-05	EPA Regional Screening Level, Residential Soil
TCDF, 2,3,7,8-	51207-31-9	3.7E-05	EPA Regional Screening Level, Residential Soil
Glufosinate, Ammonium	77182-82-2	2.4E+01	EPA Regional Screening Level, Residential Soil
Glycidyl	765-34-4	2.4E+01	EPA Regional Screening Level, Residential Soil
Glyphosate	1071-83-6	6.1E+03	EPA Regional Screening Level, Residential Soil
Goal	42874-03-3	1.8E+02	EPA Regional Screening Level, Residential Soil
Haloxyp, Methyl	69806-40-2	3.1E+00	EPA Regional Screening Level, Residential Soil
Harmony	79277-27-3	7.9E+02	EPA Regional Screening Level, Residential Soil
Heptachlor	76-44-8	1.1E-01	EPA Regional Screening Level, Residential Soil
Heptachlor Epoxide	1024-57-3	5.3E-02	EPA Regional Screening Level, Residential Soil
Hexabromobenzene	87-82-1	1.2E+02	EPA Regional Screening Level, Residential Soil
Hexachlorobenzene	118-74-1	3.0E-01	EPA Regional Screening Level, Residential Soil
Hexachlorobutadiene	87-68-3	2.0E+00	Soil Screening Level, DAF 20
Hexachlorocyclohexane, Alpha-	319-84-6	5.0E-04	Soil Screening Level, DAF 20
Hexachlorocyclohexane, Beta-	319-85-7	3.0E-03	Soil Screening Level, DAF 20
Hexachlorocyclohexane, Gamma- (Lindane)	58-89-9	9.0E-03	Soil Screening Level, DAF 20
Hexachlorocyclohexane, Technical	608-73-1	3.0E-03	Soil Screening Level, DAF 20
Hexachlorocyclopentadiene	77-47-4	3.7E+02	EPA Regional Screening Level, Residential Soil
Hexachloroethane	67-72-1	5.0E-01	Soil Screening Level, DAF 20
Hexachlorophene	70-30-4	1.8E+01	EPA Regional Screening Level, Residential Soil
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	121-82-4	5.5E+00	EPA Regional Screening Level, Residential Soil
Hexamethylene Diisocyanate, 1,6-	822-06-0	3.7E+00	EPA Regional Screening Level, Residential Soil
Hexane, N-	110-54-3	5.7E+02	EPA Regional Screening Level, Residential Soil
Hexanedioic Acid	124-04-9	1.2E+05	EPA Regional Screening Level, Residential Soil
Hexazinone	51235-04-2	2.0E+03	EPA Regional Screening Level, Residential Soil
Hydrazine	302-01-2	2.1E-01	EPA Regional Screening Level, Residential Soil
Hydrazine Sulfate	10034-93-2	2.1E-01	EPA Regional Screening Level, Residential Soil
Hydrogen Chloride	7647-01-0	2.8E+07	EPA Regional Screening Level, Residential Soil
Hydrogen Sulfide	7783-06-4	2.8E+06	EPA Regional Screening Level, Residential Soil
Hydroquinone	123-31-9	8.7E+00	EPA Regional Screening Level, Residential Soil
Hexabromodiphenyl ether, 2,2',4,4',5,5'- (BDE-153)	68631-49-2	1.6E+01	EPA Regional Screening Level, Residential Soil
Imazalil	35554-44-0	7.9E+02	EPA Regional Screening Level, Residential Soil
Imazaquin	81335-37-7	1.5E+04	EPA Regional Screening Level, Residential Soil
Iprodione	36734-19-7	2.4E+03	EPA Regional Screening Level, Residential Soil
Iron	7439-89-6	5.5E+04	EPA Regional Screening Level, Residential Soil
Isobutyl Alcohol	78-83-1	2.3E+04	EPA Regional Screening Level, Residential Soil
Isophorone	78-59-1	5.0E-01	Soil Screening Level, DAF 20
Isopropalin	33820-53-0	9.2E+02	EPA Regional Screening Level, Residential Soil
Isopropyl Methyl Phosphonic Acid	1832-54-8	6.1E+03	EPA Regional Screening Level, Residential Soil
Isoxaben	82558-50-7	3.1E+03	EPA Regional Screening Level, Residential Soil
Kerb	23950-58-5	4.6E+03	EPA Regional Screening Level, Residential Soil
Lactofen	77501-63-4	1.2E+02	EPA Regional Screening Level, Residential Soil
Linuron	330-55-2	1.2E+02	EPA Regional Screening Level, Residential Soil
Lithium	7439-93-2	1.6E+02	EPA Regional Screening Level, Residential Soil
Lithium Perchlorate	7791-03-9	5.5E+01	EPA Regional Screening Level, Residential Soil
Londax	83055-99-6	1.2E+04	EPA Regional Screening Level, Residential Soil
Lead Compounds			
Lead and Compounds	7439-92-1	4.0E+02	EPA Regional Screening Level, Residential Soil
Tetraethyl Lead	78-00-2	6.1E-03	EPA Regional Screening Level, Residential Soil
Malathion	121-75-5	1.2E+03	EPA Regional Screening Level, Residential Soil
Maleic Anhydride	108-31-6	6.1E+03	EPA Regional Screening Level, Residential Soil

NDEP Draft Guidelines for Discovery Events (Soil RCs)

Appendix A2--Full list of Reportable Concentrations in soil

Version: 01/28/2009

Analyte	CAS No.	Reportable Concentration (mg/kg)	Source
Maleic Hydrazide	123-33-1	3.1E+04	EPA Regional Screening Level, Residential Soil
Malononitrile	109-77-3	6.1E+00	EPA Regional Screening Level, Residential Soil
Mancozeb	8018-01-7	1.8E+03	EPA Regional Screening Level, Residential Soil
Maneb	12427-38-2	3.1E+02	EPA Regional Screening Level, Residential Soil
Manganese (Water)	7439-96-5	1.8E+03	EPA Regional Screening Level, Residential Soil
MCPA	94-74-6	3.1E+01	EPA Regional Screening Level, Residential Soil
MCPB	94-81-5	6.1E+02	EPA Regional Screening Level, Residential Soil
MCPP	93-65-2	6.1E+01	EPA Regional Screening Level, Residential Soil
Mephosfolan	950-10-7	5.5E+00	EPA Regional Screening Level, Residential Soil
Mepiquat Chloride	24307-26-4	1.8E+03	EPA Regional Screening Level, Residential Soil
Merphos	150-50-5	1.8E+00	EPA Regional Screening Level, Residential Soil
Merphos Oxide	78-48-8	1.8E+00	EPA Regional Screening Level, Residential Soil
Metalaxyl	57837-19-1	3.7E+03	EPA Regional Screening Level, Residential Soil
Methacrylonitrile	126-98-7	3.2E+00	EPA Regional Screening Level, Residential Soil
Methamidophos	10265-92-6	3.1E+00	EPA Regional Screening Level, Residential Soil
Methanol	67-56-1	3.1E+04	EPA Regional Screening Level, Residential Soil
Methidathion	950-37-8	6.1E+01	EPA Regional Screening Level, Residential Soil
Methomyl	16752-77-5	1.5E+03	EPA Regional Screening Level, Residential Soil
Methoxy-5-nitroaniline, 2-	99-59-2	9.9E+00	EPA Regional Screening Level, Residential Soil
Methoxychlor	72-43-5	1.6E+02	Soil Screening Level, DAF 20
Methoxyethanol Acetate, 2-	110-49-6	1.2E+02	EPA Regional Screening Level, Residential Soil
Methoxyethanol, 2-	109-86-4	1.8E+02	EPA Regional Screening Level, Residential Soil
Methyl Acetate	79-20-9	7.8E+04	EPA Regional Screening Level, Residential Soil
Methyl Acrylate	96-33-3	2.3E+03	EPA Regional Screening Level, Residential Soil
Methyl Ethyl Ketone (2-Butanone)	78-93-3	2.8E+04	EPA Regional Screening Level, Residential Soil
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1	5.3E+03	EPA Regional Screening Level, Residential Soil
Methyl Methacrylate	80-62-6	4.7E+03	EPA Regional Screening Level, Residential Soil
Methyl Parathion	298-00-0	1.5E+01	EPA Regional Screening Level, Residential Soil
Methyl Styrene (Mixed Isomers)	25013-15-4	1.9E+02	EPA Regional Screening Level, Residential Soil
Methyl tert-Butyl Ether (MTBE)	1634-04-4	3.9E+01	NDEP calculated SSL, DAF 20
Methyl-5-Nitroaniline, 2-	99-55-8	1.5E+01	EPA Regional Screening Level, Residential Soil
Methylaniline Hydrochloride, 2-	636-21-5	3.7E+00	EPA Regional Screening Level, Residential Soil
Methylarsonic acid	124-58-3	6.1E+02	EPA Regional Screening Level, Residential Soil
Methylene Chloride	75-09-2	2.0E-02	Soil Screening Level, DAF 20
Methylene-bis(2-chloroaniline), 4,4'-	101-14-4	1.2E+00	EPA Regional Screening Level, Residential Soil
Methylene-bis(N,N-dimethyl) Aniline, 4,4'-	101-61-1	1.1E+01	EPA Regional Screening Level, Residential Soil
Methylenebisbenzenamine, 4,4'-	101-77-9	3.0E-01	EPA Regional Screening Level, Residential Soil
Methylenediphenyl Diisocyanate	101-68-8	8.5E+05	EPA Regional Screening Level, Residential Soil
Methylstyrene, Alpha-	98-83-9	5.5E+03	EPA Regional Screening Level, Residential Soil
Metolachlor	51218-45-2	9.2E+03	EPA Regional Screening Level, Residential Soil
Metribuzin	21087-64-9	1.5E+03	EPA Regional Screening Level, Residential Soil
Mirex	2385-85-5	2.7E-02	EPA Regional Screening Level, Residential Soil
Molinate	2212-67-1	1.2E+02	EPA Regional Screening Level, Residential Soil
Molybdenum	7439-98-7	3.9E+02	EPA Regional Screening Level, Residential Soil
Monochloramine	10599-90-3	7.8E+03	EPA Regional Screening Level, Residential Soil
Monomethylaniline	100-61-8	1.2E+02	EPA Regional Screening Level, Residential Soil
Mercury Compounds			
Mercuric Chloride	7487-94-7	2.3E+01	EPA Regional Screening Level, Residential Soil
Mercuric Sulfide	1344-48-5	2.3E+01	EPA Regional Screening Level, Residential Soil
Mercury (elemental)	7439-97-6	6.7E+00	EPA Regional Screening Level, Residential Soil
Mercury, Inorganic Salts	NA	2.3E+01	EPA Regional Screening Level, Residential Soil
Methyl Mercury	22967-92-6	7.8E+00	EPA Regional Screening Level, Residential Soil
Phenylmercuric Acetate	62-38-4	4.9E+00	EPA Regional Screening Level, Residential Soil
N,N'-Diphenyl-1,4-benzenediamine	74-31-7	1.8E+01	EPA Regional Screening Level, Residential Soil
Naled	300-76-5	1.2E+02	EPA Regional Screening Level, Residential Soil
Napropamide	15299-99-7	6.1E+03	EPA Regional Screening Level, Residential Soil
Nickel Refinery Dust	NA	1.4E+04	EPA Regional Screening Level, Residential Soil
Nickel Soluble Salts	7440-02-0	1.3E+02	Soil Screening Level, DAF 20
Nickel Sulfide	12035-72-2	6.9E+03	EPA Regional Screening Level, Residential Soil
Nitrate	14797-55-8	1.3E+05	EPA Regional Screening Level, Residential Soil

NDEP Draft Guidelines for Discovery Events (Soil RCs)

Appendix A2--Full list of Reportable Concentrations in soil

Version: 01/28/2009

Analyte	CAS No.	Reportable Concentration (mg/kg)	Source
Nitrite	14797-65-0	7.8E+03	EPA Regional Screening Level, Residential Soil
Nitroaniline, 3-	99-09-2	1.8E+01	EPA Regional Screening Level, Residential Soil
Nitroaniline, 4-	100-01-6	2.3E+01	EPA Regional Screening Level, Residential Soil
Nitrobenzene	98-95-3	1.0E-01	Soil Screening Level, DAF 20
Nitrofurantoin	67-20-9	4.3E+03	EPA Regional Screening Level, Residential Soil
Nitrofurazone	59-87-0	3.7E-01	EPA Regional Screening Level, Residential Soil
Nitroglycerin	55-63-0	6.1E+00	EPA Regional Screening Level, Residential Soil
Nitroguanidine	556-88-7	6.1E+03	EPA Regional Screening Level, Residential Soil
Nitromethane	75-52-5	4.7E+00	EPA Regional Screening Level, Residential Soil
Nitropropane, 2-	79-46-9	1.2E-02	EPA Regional Screening Level, Residential Soil
Nitroso-di-N-butylamine, N-	924-16-3	9.3E-02	EPA Regional Screening Level, Residential Soil
Nitroso-di-N-propylamine, N-	621-64-7	5.0E-05	Soil Screening Level, DAF 20
Nitroso-N-ethylurea, N-	759-73-9	4.3E-03	EPA Regional Screening Level, Residential Soil
Nitrosodiethanolamine, N-	1116-54-7	1.7E-01	EPA Regional Screening Level, Residential Soil
Nitrosodiethylamine, N-	55-18-5	7.7E-04	EPA Regional Screening Level, Residential Soil
Nitrosodimethylamine, N-	62-75-9	2.3E-03	EPA Regional Screening Level, Residential Soil
Nitrosodiphenylamine, N-	86-30-6	1.0E+00	Soil Screening Level, DAF 20
Nitrosomethylethylamine, N-	10595-95-6	2.2E-02	EPA Regional Screening Level, Residential Soil
Nitrosopyrrolidine, N-	930-55-2	2.3E-01	EPA Regional Screening Level, Residential Soil
Nitrotoluene, m-	99-08-1	1.2E+03	EPA Regional Screening Level, Residential Soil
Nitrotoluene, o-	88-72-2	2.9E+00	EPA Regional Screening Level, Residential Soil
Nitrotoluene, p-	99-99-0	3.0E+01	EPA Regional Screening Level, Residential Soil
Norflurazon	27314-13-2	2.4E+03	EPA Regional Screening Level, Residential Soil
Nustar	85509-19-9	4.3E+01	EPA Regional Screening Level, Residential Soil
Octabromodiphenyl Ether	32536-52-0	1.8E+02	EPA Regional Screening Level, Residential Soil
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetra (HMX)	2691-41-0	3.8E+03	EPA Regional Screening Level, Residential Soil
Octamethylpyrophosphoramide	152-16-9	1.2E+02	EPA Regional Screening Level, Residential Soil
Oryzalin	19044-88-3	3.1E+03	EPA Regional Screening Level, Residential Soil
Oxadiazon	19666-30-9	3.1E+02	EPA Regional Screening Level, Residential Soil
Oxamyl	23135-22-0	1.5E+03	EPA Regional Screening Level, Residential Soil
Paclobutrazol	76738-62-0	7.9E+02	EPA Regional Screening Level, Residential Soil
Paraquat Dichloride	1910-42-5	2.7E+02	EPA Regional Screening Level, Residential Soil
Parathion	56-38-2	3.7E+02	EPA Regional Screening Level, Residential Soil
Pebulate	1114-71-2	3.1E+03	EPA Regional Screening Level, Residential Soil
Pendimethalin	40487-42-1	2.4E+03	EPA Regional Screening Level, Residential Soil
Pentabromodiphenyl Ether	32534-81-9	1.2E+02	EPA Regional Screening Level, Residential Soil
Pentabromodiphenyl ether, 2,2',4,4',5- (BDE-99)	60348-60-9	7.8E+00	EPA Regional Screening Level, Residential Soil
Pentachlorobenzene	608-93-5	4.9E+01	EPA Regional Screening Level, Residential Soil
Pentachloroethane	76-01-7	5.4E+00	EPA Regional Screening Level, Residential Soil
Pentachloronitrobenzene	82-68-8	1.9E+00	EPA Regional Screening Level, Residential Soil
Pentachlorophenol	87-86-5	3.0E-02	Soil Screening Level, DAF 20
Perchlorate and Perchlorate Salts	14797-73-0	5.5E+01	EPA Regional Screening Level, Residential Soil
Permethrin	52645-53-1	3.1E+03	EPA Regional Screening Level, Residential Soil
Phenmedipham	13684-63-4	1.5E+04	EPA Regional Screening Level, Residential Soil
Phenol	108-95-2	1.0E+02	Soil Screening Level, DAF 20
Phenylenediamine, m-	108-45-2	3.7E+02	EPA Regional Screening Level, Residential Soil
Phenylenediamine, o-	95-54-5	1.0E+01	EPA Regional Screening Level, Residential Soil
Phenylenediamine, p-	106-50-3	1.2E+04	EPA Regional Screening Level, Residential Soil
Phenylphenol, 2-	90-43-7	2.5E+02	EPA Regional Screening Level, Residential Soil
Phorate	298-02-2	1.2E+01	EPA Regional Screening Level, Residential Soil
Phosgene	75-44-5	4.0E-01	EPA Regional Screening Level, Residential Soil
Phosmet	732-11-6	1.2E+03	EPA Regional Screening Level, Residential Soil
Phosphine	7803-51-2	2.3E+01	EPA Regional Screening Level, Residential Soil
Phosphoric Acid	7664-38-2	1.4E+07	EPA Regional Screening Level, Residential Soil
Phosphorus, White	7723-14-0	1.6E+00	EPA Regional Screening Level, Residential Soil
Phthalic Acid, P-	100-21-0	6.1E+04	EPA Regional Screening Level, Residential Soil
Phthalic Anhydride	85-44-9	1.2E+05	EPA Regional Screening Level, Residential Soil
Picloram	1918-02-1	4.3E+03	EPA Regional Screening Level, Residential Soil
Picramic Acid (2-Amino-4,6-dinitrophenol)	96-91-3	1.2E+02	EPA Regional Screening Level, Residential Soil
Pirimiphos, Methyl	29232-93-7	6.1E+02	EPA Regional Screening Level, Residential Soil

NDEP Draft Guidelines for Discovery Events (Soil RCs)

Appendix A2--Full list of Reportable Concentrations in soil

Version: 01/28/2009

Analyte	CAS No.	Reportable Concentration (mg/kg)	Source
Polybrominated Biphenyls	59536-65-1	1.6E-02	EPA Regional Screening Level, Residential Soil
Polymeric Methylene Diphenyl Diisocyanate (PMDI)	9016-87-9	8.5E+05	EPA Regional Screening Level, Residential Soil
Potassium Perchlorate	7778-74-7	5.5E+01	EPA Regional Screening Level, Residential Soil
Prochloraz	67747-09-5	3.2E+00	EPA Regional Screening Level, Residential Soil
Profluralin	26399-36-0	3.7E+02	EPA Regional Screening Level, Residential Soil
Prometon	1610-18-0	9.2E+02	EPA Regional Screening Level, Residential Soil
Prometryn	7287-19-6	2.4E+02	EPA Regional Screening Level, Residential Soil
Propachlor	1918-16-7	7.9E+02	EPA Regional Screening Level, Residential Soil
Propanil	709-98-8	3.1E+02	EPA Regional Screening Level, Residential Soil
Propargite	2312-35-8	1.2E+03	EPA Regional Screening Level, Residential Soil
Propargyl Alcohol	107-19-7	1.2E+02	EPA Regional Screening Level, Residential Soil
Propazine	139-40-2	1.2E+03	EPA Regional Screening Level, Residential Soil
Propham	122-42-9	1.2E+03	EPA Regional Screening Level, Residential Soil
Propiconazole	60207-90-1	7.9E+02	EPA Regional Screening Level, Residential Soil
Propylene Glycol	57-55-6	1.2E+06	EPA Regional Screening Level, Residential Soil
Propylene Glycol Dinitrate	6423-43-4	6.0E+01	EPA Regional Screening Level, Residential Soil
Propylene Glycol Monoethyl Ether	1569-02-4	4.3E+04	EPA Regional Screening Level, Residential Soil
Propylene Glycol Monomethyl Ether	107-98-2	4.3E+04	EPA Regional Screening Level, Residential Soil
Propylene Oxide	75-56-9	1.9E+00	EPA Regional Screening Level, Residential Soil
Pursuit	81335-77-5	1.5E+04	EPA Regional Screening Level, Residential Soil
Pydrin	51630-58-1	1.5E+03	EPA Regional Screening Level, Residential Soil
Pyridine	110-86-1	7.8E+01	EPA Regional Screening Level, Residential Soil
Polychlorinated Biphenyls (PCBs)			
Aroclor 1016	12674-11-2	3.9E+00	EPA Regional Screening Level, Residential Soil
Aroclor 1221	11104-28-2	1.7E-01	EPA Regional Screening Level, Residential Soil
Aroclor 1232	11141-16-5	1.7E-01	EPA Regional Screening Level, Residential Soil
Aroclor 1242	53469-21-9	2.2E-01	EPA Regional Screening Level, Residential Soil
Aroclor 1248	12672-29-6	2.2E-01	EPA Regional Screening Level, Residential Soil
Aroclor 1254	11097-69-1	2.2E-01	EPA Regional Screening Level, Residential Soil
Aroclor 1260	11096-82-5	2.2E-01	EPA Regional Screening Level, Residential Soil
Heptachlorobiphenyl, 2,2',3,3',4,4',5- (PCB 170)	35065-30-6	3.4E-02	EPA Regional Screening Level, Residential Soil
Heptachlorobiphenyl, 2,2',3,4,4',5,5'- (PCB 180)	35065-29-3	3.4E-01	EPA Regional Screening Level, Residential Soil
Heptachlorobiphenyl, 2,3,3',4,4',5,5'- (PCB 189)	39635-31-9	1.1E-01	EPA Regional Screening Level, Residential Soil
Hexachlorobiphenyl, 2,3',4,4',5,5'- (PCB 167)	52663-72-6	1.1E-01	EPA Regional Screening Level, Residential Soil
Hexachlorobiphenyl, 2,3,3',4,4',5'- (PCB 157)	69782-90-7	1.1E-01	EPA Regional Screening Level, Residential Soil
Hexachlorobiphenyl, 2,3,3',4,4',5'- (PCB 156)	38380-08-4	1.1E-01	EPA Regional Screening Level, Residential Soil
Hexachlorobiphenyl, 3,3',4,4',5,5'- (PCB 169)	32774-16-6	1.1E-04	EPA Regional Screening Level, Residential Soil
Pentachlorobiphenyl, 2',3,4,4',5- (PCB 123)	65510-44-3	1.1E-01	EPA Regional Screening Level, Residential Soil
Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	31508-00-6	1.1E-01	EPA Regional Screening Level, Residential Soil
Pentachlorobiphenyl, 2,3,3',4,4'- (PCB 105)	32598-14-4	1.1E-01	EPA Regional Screening Level, Residential Soil
Pentachlorobiphenyl, 2,3,4,4',5- (PCB 114)	74472-37-0	1.1E-01	EPA Regional Screening Level, Residential Soil
Pentachlorobiphenyl, 3,3',4,4',5- (PCB 126)	57465-28-8	3.4E-05	EPA Regional Screening Level, Residential Soil
Polychlorinated Biphenyls (high risk)	1336-36-3	2.4E-01	EPA Regional Screening Level, Residential Soil
Tetrachlorobiphenyl, 3,3',4,4'- (PCB 77)	32598-13-3	3.4E-02	EPA Regional Screening Level, Residential Soil
Tetrachlorobiphenyl, 3,4,4',5- (PCB 81)	70362-50-4	1.1E-02	EPA Regional Screening Level, Residential Soil
Polynuclear Aromatic Hydrocarbons (PAHs)			
Acenaphthene	83-32-9	5.7E+02	Soil Screening Level, DAF 20
Anthracene	120-12-7	1.2E+04	Soil Screening Level, DAF 20
Benz[a]anthracene	56-55-3	1.5E-01	EPA Regional Screening Level, Residential Soil
Benzo[a]pyrene	50-32-8	1.5E-02	EPA Regional Screening Level, Residential Soil
Benzo[b]fluoranthene	205-99-2	1.5E-01	EPA Regional Screening Level, Residential Soil
Benzo[k]fluoranthene	207-08-9	1.5E+00	EPA Regional Screening Level, Residential Soil
Chrysene	218-01-9	1.5E+01	EPA Regional Screening Level, Residential Soil
Dibenz[a,h]anthracene	53-70-3	1.5E-02	EPA Regional Screening Level, Residential Soil
Fluoranthene	206-44-0	2.3E+03	EPA Regional Screening Level, Residential Soil
Fluorene	86-73-7	5.6E+02	Soil Screening Level, DAF 20
Indeno[1,2,3-cd]pyrene	193-39-5	1.5E-01	EPA Regional Screening Level, Residential Soil
Methylnaphthalene, 1-	90-12-0	2.2E+01	EPA Regional Screening Level, Residential Soil
Methylnaphthalene, 2-	91-57-6	3.1E+02	EPA Regional Screening Level, Residential Soil
Naphthalene	91-20-3	3.9E+00	EPA Regional Screening Level, Residential Soil

NDEP Draft Guidelines for Discovery Events (Soil RCs)

Appendix A2--Full list of Reportable Concentrations in soil

Version: 01/28/2009

Analyte	CAS No.	Reportable Concentration (mg/kg)	Source
Pyrene	129-00-0	1.7E+03	EPA Regional Screening Level, Residential Soil
Quinalphos	13593-03-8	3.1E+01	EPA Regional Screening Level, Residential Soil
Quinoline	91-22-5	1.6E-01	EPA Regional Screening Level, Residential Soil
Refractory Ceramic Fibers	NA	4.3E+07	EPA Regional Screening Level, Residential Soil
Resmethrin	10453-86-8	1.8E+03	EPA Regional Screening Level, Residential Soil
Ronnel	299-84-3	3.1E+03	EPA Regional Screening Level, Residential Soil
Rotenone	83-79-4	2.4E+02	EPA Regional Screening Level, Residential Soil
Savey	78587-05-0	1.5E+03	EPA Regional Screening Level, Residential Soil
Selenious Acid	7783-00-8	3.9E+02	EPA Regional Screening Level, Residential Soil
Selenium	7782-49-2	5.0E+00	Soil Screening Level, DAF 20
Selenourea	630-10-4	3.1E+02	EPA Regional Screening Level, Residential Soil
Sethoxydim	74051-80-2	5.5E+03	EPA Regional Screening Level, Residential Soil
Silver	7440-22-4	3.4E+01	Soil Screening Level, DAF 20
Simazine	122-34-9	4.0E+00	EPA Regional Screening Level, Residential Soil
Sodium Acifluorfen	62476-59-9	7.9E+02	EPA Regional Screening Level, Residential Soil
Sodium Azide	26628-22-8	3.1E+02	EPA Regional Screening Level, Residential Soil
Sodium Diethyldithiocarbamate	148-18-5	1.8E+00	EPA Regional Screening Level, Residential Soil
Sodium Fluoroacetate	62-74-8	1.2E+00	EPA Regional Screening Level, Residential Soil
Sodium Metavanadate	13718-26-8	7.8E+01	EPA Regional Screening Level, Residential Soil
Sodium Perchlorate	7601-89-0	5.5E+01	EPA Regional Screening Level, Residential Soil
Stirofos (Tetrachlorovinphos)	961-11-5	2.0E+01	EPA Regional Screening Level, Residential Soil
Strontium, Stable	7440-24-6	4.7E+04	EPA Regional Screening Level, Residential Soil
Strychnine	57-24-9	1.8E+01	EPA Regional Screening Level, Residential Soil
Styrene	100-42-5	4.0E+00	Soil Screening Level, DAF 20
Sulfonylbis(4-chlorobenzene), 1,1'-	80-07-9	3.1E+02	EPA Regional Screening Level, Residential Soil
Systhane	88671-89-0	1.5E+03	EPA Regional Screening Level, Residential Soil
TCMTB	21564-17-0	1.8E+03	EPA Regional Screening Level, Residential Soil
Tebuthiuron	34014-18-1	4.3E+03	EPA Regional Screening Level, Residential Soil
Temephos	3383-96-8	1.2E+03	EPA Regional Screening Level, Residential Soil
Terbacil	5902-51-2	7.9E+02	EPA Regional Screening Level, Residential Soil
Terbufos	13071-79-9	1.5E+00	EPA Regional Screening Level, Residential Soil
Terbutryn	886-50-0	6.1E+01	EPA Regional Screening Level, Residential Soil
Tetrachlorobenzene, 1,2,4,5-	95-94-3	1.8E+01	EPA Regional Screening Level, Residential Soil
Tetrachloroethane, 1,1,1,2-	630-20-6	2.0E+00	EPA Regional Screening Level, Residential Soil
Tetrachloroethane, 1,1,2,2-	79-34-5	3.0E-03	Soil Screening Level, DAF 20
Tetrachloroethylene (PCE)	127-18-4	6.0E-02	Soil Screening Level, DAF 20
Tetrachlorophenol, 2,3,4,6-	58-90-2	1.8E+03	EPA Regional Screening Level, Residential Soil
Tetrachlorotoluene, p- alpha, alpha,	5216-25-1	2.4E-02	EPA Regional Screening Level, Residential Soil
Tetraethyl Dithiopyrophosphate	3689-24-5	3.1E+01	EPA Regional Screening Level, Residential Soil
Tetrafluoroethane, 1,1,1,2-	811-97-2	1.1E+05	EPA Regional Screening Level, Residential Soil
Tetryl (Trinitrophenylmethylnitramine)	479-45-8	2.4E+02	EPA Regional Screening Level, Residential Soil
Thallium (I) Nitrate	10102-45-1	7.0E+00	EPA Regional Screening Level, Residential Soil
Thallium (Soluble Salts)	7440-28-0	5.1E+00	EPA Regional Screening Level, Residential Soil
Thallium Acetate	563-68-8	7.0E+00	EPA Regional Screening Level, Residential Soil
Thallium Carbonate	6533-73-9	6.3E+00	EPA Regional Screening Level, Residential Soil
Thallium Chloride	7791-12-0	6.3E+00	EPA Regional Screening Level, Residential Soil
Thallium Sulfate	7446-18-6	6.3E+00	EPA Regional Screening Level, Residential Soil
Thiobencarb	28249-77-6	6.1E+02	EPA Regional Screening Level, Residential Soil
Thiofanox	39196-18-4	1.8E+01	EPA Regional Screening Level, Residential Soil
Thiophanate, Methyl	23564-05-8	4.9E+03	EPA Regional Screening Level, Residential Soil
Thiram	137-26-8	3.1E+02	EPA Regional Screening Level, Residential Soil
Tin	7440-31-5	4.7E+04	EPA Regional Screening Level, Residential Soil
Toluene	108-88-3	1.2E+01	Soil Screening Level, DAF 20
Toluene diisocyanate mixture (TDI)	26471-62-5	5.4E+01	EPA Regional Screening Level, Residential Soil
Toluene-2,4-diamine	95-80-7	1.3E-01	EPA Regional Screening Level, Residential Soil
Toluene-2,5-diamine	95-70-5	3.7E+04	EPA Regional Screening Level, Residential Soil
Toluene-2,6-diamine	823-40-5	1.8E+03	EPA Regional Screening Level, Residential Soil
Toluidine, o- (Methylaniline, 2-)	95-53-4	2.7E+00	EPA Regional Screening Level, Residential Soil
Toluidine, p-	106-49-0	2.6E+00	EPA Regional Screening Level, Residential Soil
Total Petroleum Hydrocarbons		1.0E+02	NDEP derived concentration

NDEP Draft Guidelines for Discovery Events (Soil RCs)

Appendix A2--Full list of Reportable Concentrations in soil

Version: 01/28/2009

Analyte	CAS No.	Reportable Concentration (mg/kg)	Source
Toxaphene	8001-35-2	4.4E-01	EPA Regional Screening Level, Residential Soil
Tralomethrin	66841-25-6	4.6E+02	EPA Regional Screening Level, Residential Soil
Triallate	2303-17-5	7.9E+02	EPA Regional Screening Level, Residential Soil
Triasulfuron	82097-50-5	6.1E+02	EPA Regional Screening Level, Residential Soil
Tribromobenzene, 1,2,4-	615-54-3	3.1E+02	EPA Regional Screening Level, Residential Soil
Tributyl Phosphate	126-73-8	5.3E+01	EPA Regional Screening Level, Residential Soil
Tributyltin Compounds	NA	1.8E+01	EPA Regional Screening Level, Residential Soil
Tributyltin Oxide	56-35-9	1.8E+01	EPA Regional Screening Level, Residential Soil
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	4.3E+04	EPA Regional Screening Level, Residential Soil
Trichloroaniline HCl, 2,4,6-	33663-50-2	1.7E+01	EPA Regional Screening Level, Residential Soil
Trichloroaniline, 2,4,6-	634-93-5	1.4E+01	EPA Regional Screening Level, Residential Soil
Trichlorobenzene, 1,2,4-	120-82-1	5.0E+00	Soil Screening Level, DAF 20
Trichloroethane, 1,1,1-	71-55-6	2.0E+00	Soil Screening Level, DAF 20
Trichloroethane, 1,1,2-	79-00-5	2.0E-02	Soil Screening Level, DAF 20
Trichloroethylene (TCE)	79-01-6	6.0E-02	Soil Screening Level, DAF 20
Trichlorofluoromethane	75-69-4	8.0E+02	EPA Regional Screening Level, Residential Soil
Trichlorophenol, 2,4,5-	95-95-4	2.7E+02	Soil Screening Level, DAF 20
Trichlorophenol, 2,4,6-	88-06-2	2.0E-01	Soil Screening Level, DAF 20
Trichlorophenoxy Propionic Acid, 2(2,4,5-	93-72-1	4.9E+02	EPA Regional Screening Level, Residential Soil
Trichlorophenoxyacetic Acid, 2,4,5-	93-76-5	6.1E+02	EPA Regional Screening Level, Residential Soil
Trichloropropane, 1,1,2-	598-77-6	3.9E+02	EPA Regional Screening Level, Residential Soil
Trichloropropane, 1,2,3-	96-18-4	9.1E-02	EPA Regional Screening Level, Residential Soil
Trichloropropene, 1,2,3-	96-19-5	2.7E+00	EPA Regional Screening Level, Residential Soil
Tridiphenyl	58138-08-2	1.8E+02	EPA Regional Screening Level, Residential Soil
Triethylamine	121-44-8	1.7E+02	EPA Regional Screening Level, Residential Soil
Trifluralin	1582-09-8	6.3E+01	EPA Regional Screening Level, Residential Soil
Trimethyl Phosphate	512-56-1	1.3E+01	EPA Regional Screening Level, Residential Soil
Trimethylbenzene, 1,2,4-	95-63-6	6.7E+01	EPA Regional Screening Level, Residential Soil
Trimethylbenzene, 1,3,5-	108-67-8	4.7E+01	EPA Regional Screening Level, Residential Soil
Trinitrobenzene, 1,3,5-	99-35-4	2.2E+03	EPA Regional Screening Level, Residential Soil
Trinitrotoluene, 2,4,6-	118-96-7	1.9E+01	EPA Regional Screening Level, Residential Soil
Triphenylphosphine Oxide	791-28-6	1.2E+03	EPA Regional Screening Level, Residential Soil
Tris(2-chloroethyl)phosphate	115-96-8	3.5E+01	EPA Regional Screening Level, Residential Soil
Tris(2-ethylhexyl)phosphate	78-42-2	1.5E+02	EPA Regional Screening Level, Residential Soil
Tetrabromodiphenyl ether, 2,2',4,4'- (BDE-47)	5436-43-1	7.8E+00	EPA Regional Screening Level, Residential Soil
Tri-n-butyltin	688-73-3	1.8E+01	EPA Regional Screening Level, Residential Soil
Uranium (Soluble Salts)	NA	2.3E+02	EPA Regional Screening Level, Residential Soil
Vanadium Pentoxide	1314-62-1	4.0E+02	EPA Regional Screening Level, Residential Soil
Vanadium Sulfate	36907-42-3	1.6E+03	EPA Regional Screening Level, Residential Soil
Vanadium and Compounds	NA	3.9E+02	EPA Regional Screening Level, Residential Soil
Vanadium, Metallic	7440-62-2	5.5E+02	EPA Regional Screening Level, Residential Soil
Vernolate	1929-77-7	6.1E+01	EPA Regional Screening Level, Residential Soil
Vinclozolin	50471-44-8	1.5E+03	EPA Regional Screening Level, Residential Soil
Vinyl Acetate	108-05-4	1.7E+02	Soil Screening Level, DAF 20
Vinyl Bromide	593-60-2	1.1E-01	EPA Regional Screening Level, Residential Soil
Vinyl Chloride	75-01-4	1.0E-02	Soil Screening Level, DAF 20
Warfarin	81-81-2	1.8E+01	EPA Regional Screening Level, Residential Soil
Xylene, Mixture	1330-20-7	2.1E+02	Soil Screening Level, DAF 20
Xylene, P-	106-42-3	2.1E+02	Soil Screening Level, DAF 20
Xylene, m-	108-38-3	2.1E+02	Soil Screening Level, DAF 20
Xylene, o-	95-47-6	2.1E+02	Soil Screening Level, DAF 20
Zinc (Metallic)	7440-66-6	1.2E+04	Soil Screening Level, DAF 20
Zinc Phosphide	1314-84-7	2.3E+01	EPA Regional Screening Level, Residential Soil
Zineb	12122-67-7	3.1E+03	EPA Regional Screening Level, Residential Soil